

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "Eric Swartz (WA6HHQ)" <erics@cruzio.com>
Subject: [3216] 40M DXCC #2 on NorCal40!
Message-ID: <322264C5.24B4@cruzio.com>

Received: from mail-02.telis.org by cruzio.com id aa28167; 25 Aug 96 22:32 PDT
Received: from ki6ds.telis (s18-pm05.ucr.campus.mci.net [206.29.2.47]) by
mail-02.telis.org (8.7.5/8.7.3) with SMTP id WAA23914 for <erics@cruzio.com>; Sun,
25 Aug 1996 22:29:18 -0700 (PDT)
Message-ID: <32210876.2702@telis.org>
From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "G.F. (Gary) Sehne, Advanced Micro Devices" <Gary.Sehne@amd.com>
Subject: [3184] cleaning PVC markings
Message-ID: <9608261438.AA01366@nucleus.amd.com>

Only now catching up on my reading...but here's a thought:

Recently I did some PVC work while building a medical clinic in Mexico on a mission trip
and I remember preparing the pvc joints with 2 materials sequentially. The first seemed
to degrease and clean the surface, the second was actually the cementing material.

It's the first material that totally washed off the red stamped PVC markings. For your application, I'd swab it on quickly & wipe it off. I think long term it softens the plastic (but it hardens up again upon drying).

This works a lot easier than sanding & painting. As is often the case, this was quite an accidental discovery & sometimes we just log it in the gray matter until there's
a use for it...Good luck & don't sniff the stuff! Gary-N2KTY
Regards,

Gerhard (Gary) Sehne 5-2878 M/S 572

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Russ1031@aol.com
Subject: [3185] CQC from Way Up There
Message-ID: <960826122116_394285598@emout10.mail.aol.com>

Yesterday I packed up my radio stuff and bushwacked to the top of a mountain here in the Oregon Cascades for the CQC. Herein follows a brief report.

I've got a passion for backpacking to the top of mountains. Ham radio contests are a great excuse for finding some obscure place in the back country. I'll admit, however, that mountain tops are places of extremes--sometimes beauty of the most intense kind, sometimes weather of the most awful kind.

Since this mountain is near the timber line, there are no serious trees at the top. Consequently, I'd packed my trusty 26 ft collapsible mast, which supports a multiband inverted V. Yesterday morning, we had some pretty fancy wind. Yours truly looked like a one man version of Laurel and Hardy as I raced around trying to get the mast guyed before it crashed to the ground. It took about six crashes, but I finally got that turkey nailed down.

The contest started with with lots of action on 20 meters, but then slowed down to a whisper. Out here in Beaver country, 40 meters was Not Applicable.

I ended up with 53 Qs--not too bad for my pipsqueak of a station. My thanks to the volunteers of CQC for running a fine event. There wasn't a single other human being on the mountain, and the views were wonderful. What could be better?

Russ Carpenter, AA7QU, McKenzie River, Oregon

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: facmsa@facilities.buffalo.edu (Adams, Mark S.)
Subject: [3179] CQC Results
Message-ID: <1996Aug26.094900.1483.14000@facilities.buffalo.edu>

Hi Gang,

I had lots of fun in the CQC test Sunday despite only having about 2 noncontiguous hours to play. Sunny summer Sunday afternoons make spending quality shack time tough (say that 10 times!)

Band Call Report Rcvd

20 KJ5TF 519 AR JIM 1W
20 K0LWY 559 MO LARRY 5W
20 K5ZTY 559 TX BILL NR178
20 WA8EDW 569 NE DAVE NR157
20 KB0UCQ 579 CO AL NR32
20 FY/DJ0PJ 569 FRENCH GUYANA DAVE 5W (what is Dave QSL route?)

20 KF6DCU 339 CA DAVE 100W
20 V01DRB 559 NFD BOB NR96
40 AC8W 569 MI STAN NR299
40 AC5AM 559 AL BOB 4W

QSO POINTS=50
MULT=10
NAMES=6
BONUS FOR CLUB CALL=1000

SCORE=4000

Equipment: TenTec Argo 556 at 4W, delta loop, Heath tuner and ladder line, Envirotronics Paddles

Now who gets this to make it official?

Mark N2VPK

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [3173] CQC Test & kl net
Message-ID: <Pine.BSI.3.93.960826005949.9240A-100000@u1.abs.net>

Just thought that I would share my CQC Contest log with you guys. Wish I could have spent a bit more time on the radio today, but Birthdays are important too. :^) Besides band was lousy. :^) I really like the Format of the CQC Test. I have always favored using "Names" as part of the exchange. That is what makes it fun and friendly. Maybe more of the other clubs will follow this pattern in the future.

CQC SUMMER FUN QRP CONTEST LOG of G. Danny Gingell, K3TKS, CQC #349

DATE	FREQ.	TIME	CALLSIGN	RST-S	RST-R	SPC	NAME	CQC QRP	#/PWR	PTS	MULT.
08/25/96	7.039	1908Z	WK8S	339	529	MI	PETE	# 37		6	2
08/25/96	7.039	1944Z	AA4XX	339	339	NC	PAUL	5 WATTS		4	1
08/25/96	7.041	2020Z	N9DD	559	559	IN	TOM	# 302		6	2
08/25/96	7.039	2050Z	AE4JA	559	559	GA	LOU	5 WATTS		4	2
08/25/96	7.039	2113Z	AE4CA	559	559	GA	BOB	# 118		6	1

08/25/96 7.037 2135Z AD4WQ 599 339 TN SHELBY 60 WATTS 4 2

30 POINTS X 10 MULTIPLIER (SPC=5, NAMES=5) = 300 POINTS TOTAL SCORE.

Approximately two hours operating time between chores, dinner and Grand Daughter's third birthday party. Used QRP Plus at one watt output to 80 Meter Horizontal Loop 45 feet up, fed with RG-59 Type cable and a MFJ 941D ATU. Not the worst band conditions, but have seen much better. Didn't hear a peep on anything but 40 meters.

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Bill Acito 26-Aug-1996 1202 <acito@asdg.ENABLE.dec.com>
Subject: [3186] Diodes as a voltage drop
Message-ID: <9608261620.AA13061@us1rmc.bb.dec.com>

Technical question for the group, not truly QRP in this case, but the principle might be used if you are trying to run TTL stuff (e.g. Keyer) with a battery (12V) by inserting diodes.

I rigged up a tap into the 12V side of my PC's power supply to drive my external modem, so when I power up the PC, the modem comes on. The modem requires about 7V DC, @ 0.5 to 1A. In the line I included eight 6A (i.e. big) diodes to use the turn-on voltage as a drop.

$$12 - (8 \times 0.7) = 6.4V$$

$$P = I E \quad (.7v \times 1A) = 0.7W$$

It runs fine, has for a while, but under normal operation these diodes get very warm; enough to cause discomfort, but not burn. Why? I've given plenty of headspace in the current rating; what did I miss?

Direct email is fine.

b

ObQRPRmk: KC-2's arrived over the weekend, ready to install with my SW-30.

Cased out Portland (ME) Head Light over the weekend for QRP Afield.

b

. - I own my own words -
Bill Acito

acito@asdg.enet.dec.com

|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996

From: QLF@mimi@magic.itg.ti.com

Subject: [3194] DOUG, KF4KL

Message-ID: <9608261802.AA00404@itg.ti.com>

From: Brad Bradfield QLF

Subj: DOUG, KF4KL

Doug, KF4KL, please e-mail me direct if you have any more of the gel cell batteries available.

Sorry for the bandwidth guys, accidentally deleted Doug's e-mail address.

. Now back to your regularly scheduled fun

73's

Brad, WB0CGH

Brad Bradfield, PE

Electrical Design Engineer

(H) 817-321-2960

Texas Instruments, Inc.

(W) 214-462-6230

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996

From: lve1@inel.gov (Larry V East)

Subject: [3184] Fox Tango Filters

Message-ID: <2.2.16.19960826144947.18a72696@eloi>

>From a recent posting:

>

>1. Anyone familiar with International Radio/Fox Tango filters? This is a new one for me. Was thinking about installing a 250hz filter in my TS850, and all of a sudden I find out about an alternative filter manufacturer

>! Are these things for real or is it snake oil ?

>

No, these are not "snake oil". The "Fox Tango Club" was a Yeasu user's group (club of sorts) back in the 70's and 80's that published a newsletter and put together a lot of mod kits, narrow filters, etc. primarily for Yeasu rigs. When the club dissolved sometime in the late 80's, International Radio started selling the narrow filters for various rigs. I have a FoxTango 12 pole 500 Hz CW filter in my old FT-301 and it works great -- aside from about 10dB of insertion loss. Some of the filters come with amplifiers to make up for the loss, but this is a bit difficult for the FT-301 because the filter is bi-directional (sig goes thru one way on receive, the other way on xmit). Thought of making a bidirectional amp, but never got "a round toit".

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996

From: hysell@kodak.com (John D. Hysell)

Subject: [3177] FS - Ten-Tec 509 station

Message-ID: <9608261157.AA22446@runner.itc.Kodak.COM>

I have a friend who is interested in selling a complete Ten-Tec 509 station including:

509 with manual (nice physical condition)

matching 50 watt linear amp with manual (again, very nice shape)

matching power supply with manual (good shape, lamp lenses need replacement)

Crystal calibrator

Astatic mic

He is looking for \$485 shipped complete. I didn't ask, but assume he will consider breaking it up into pieces for separate sale...

You can contact me with questions (he is not on the net yet), or You can reach Lou (KA2DQA) directly by phone at (716)271-3818

-73
John
KF2XC

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [3176] FS: A few 6v ~10 AH batteries
Message-ID: <Pine.3.89.9608260526.F12835-0100000@w3eax.umd.edu>

I got these from a local ham, and don't know if I'll have much use for them myself...if I don't sell 'em, maybe...they take spade lugs...

They're about 6x4x2", and weigh about 4.25 pounds each. I don't have exact specs on them, capacity-wise, but given their size and weight and voltage, and comparing to PowerSonic units, they're about 10 AH.

They were made in 1993 and never used. They were charged roughly once per year, and hold a decent charge (6.35v +/-).

PowerSonic units are about \$20 each new, asking \$8.00 each. A little heavy to be portable, exactly, but great for outings.

I have six.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: buhyoff@vt.edu (Greg Buhyoff)
Subject: [3190] FS: Kent paddles
Message-ID: <v01540b00ae478e37eb49@[128.173.78.57]>

I have a virtually new set of Kent Paddles for sale. They are about 4 months old, used for 8 or so hours and then out in a closet. I prefer my other set of paddles. So, they are excess and I will ship them UPS ground for \$70. They are in perfect condition. Please E-mail me at Buhyoff@vt.edu.

Thanks and 72, Greg KN4FR

=====
Greg Buhyoff
Julian Cheatham Professor
Dept. of Forestry
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061

Office Phone: 540-231-5148
Fax: 540-231-3698
E-mail: Buhyoff@vt.edu

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From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Bill Acito 26-Aug-1996 1559 <acito@asdg.ENET.dec.com>
Subject: [3198] G5RV revisited
Message-ID: <9608262010.AA29207@us1rmc.bb.dec.com>

I've inherited a 'like new' (as in 'never installed') G5RV.
Thought it might make a good all-band portable antenna to sling
up into the trees... QRP Afield is approaching.

Having never owned one or used one of these before, I'd like to
hear your pro's and cons. I've got all the ARRL antenna books,
and will do all the formal research and theory, but I'd like to get
the practical wisdom...

"works like a wet noodle on 30..."

"very narrow bandwidth on 75"

"put it up as high as possible"

"works better in an inverted-V"

...that kind of stuff (I made those all up). I seem to remember some discussion on the G5RV a while back, maybe even some controversy and disagreement, but since I didn't own one, I didn't listen that closely.

Anything I should know that won't be in my books?

b

. - I own my own words -
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [3197] Hallicrafters Crystals???
Message-ID: <3221F6B2.1AB7@bnl.gov>

Hi Club Friends,

I have an acquaintance who I chat with on 40m CW who is working on a couple of Hallicrafters and is looking for those huge crystals. The only crystal place I know of is Jans in Florida. He knows of them and said they're expensive. I told him about our qrp-l group here and if anyone knows where to get these FT-234 (or something like that) crystals you all would. I've been trying to get him interested in qrp and kit building since he likes dabbling and fixing HF gear. That's about as close of a link to qrp I can get this message, sorry :-). Anyway, if any of you have information I could pass along to him, would you please drop me an email.

Sorry to the rest of the group for this non-qrp message.

72
Nick

Nick Franco - <http://www.rhichome.bnl.gov/People/franco/>
Brookhaven National Laboratory - RHIC Project
tel: (516) 344-5467 <>< Ham Call: KF2PH
fax: (516) 344-3674 QRP-NE # 349 QRP-L # 13

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: john andrews <jm165723@eee.org>
Subject: [3188] Homebrew paddles...
Message-ID: <3221D7AC.50D9@eee.org>

Hi All:

Those who have been around a while can just hit "delete", this is a well worn idea.

Doug made mention of a HB paddle that will be presented in the next QRPp published by NorCal and a thread is going at this time about paddle usage. Homebrew paddles are either a delight or an exercise in misery.

Guess the oldest(and worst) examples is the knife switch. Ceramic knife switch and hacksaw blade for contacts. Yuck.

Double sided pc board and old relay contacts work ok, I guess.

Pair of straight keys mounted back-to-back are a real smooth idea. Piece of wood and some type of bracket to mount them. If you are an "adjustment nut" these will provide hours of fun. Remove the knobs from the keys and replace with a piece of plastic, poker chip, or thick pc board shaped to fit. My favorite is a guitar pick.

If you know an Ancient RTTY buddy talk him out of a "polar relay", when you open it up the modification becomes instantly apparent.

I miss my back-to-back J-37's.

72, John-N5INZ/6

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: KB0PJE /5 JFD <jdougher@wt.net>
Subject: [3206] Houston Source 4 Radio Shack DSP
Message-ID: <322279F0.78CA@wt.net>

After searching Houston, I finally located four (4) DSP's in Houston at the Radio Shack on Memorial just East of Dairy Ashford (west side of town about 1 mile west of Beltway 8). They now have 3; I got one. Price is 29.97, as reported. I just started playing with it, but first impression is that it helps my Icom706 fight QRN, and at least is a powered speaker and amp for my 40-9er's audio.

Also grabbed a nibbler for 10 bucks. Thanks for the posted tip...
KB0PJE /5

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: BParkes@aol.com
Subject: [3212] Interference on 30 mtrs
Message-ID: <960826221047_269493932@emout10.mail.aol.com>

For the last month or so I have had really nasty interference on about 50 Khz of the 30 mtr band on my HW-9. It seemed to float down the band during the evening. Not found on anyother band. Ugh. Was working 20 mtrs tonight when my youngest daughter started fussing at me. Seems the stained glass lamp (\$10) that my wife had bought for the computer table right outside my shack (and right under my attic ant) was blinking off, bright, brighter, brightest and off in tune with my cw sending. She was so upset that she pulled the plug on it. Hmm. Tried 30 again, interference gone. Had her plug it in again, it was back. Seems if you touch the lamp base it changes states and light output. Anyone want a real cute and cheap light? Had a QRP ball this evening on 30 for a change. Sometimes the trouble is right outside your door.

73 BRUCE KA2ZGW

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Jeffrey Greer <KF4GKH@postoffice.worldnet.att.net>
Subject: [3191] KC2 Construction
Message-ID: <19960826173929.AAA23875@LOCALNAME>

I received my Norcal version of the KC2 on Saturday afternoon. I spent approximately 3 hours yesterday afternoon stuffing all of the parts. It went together easily. Aligning and mounting the LCD display was a little tedious, but not too bad. A straight edge helped out there.

I would caution everyone to observe the mounting locations for Q3 and U3 carefully on the CPU board. The lettering for those two parts were obscured by the mounting holes on my board. Murphy was working overtime! I mounted Q3 in the U3 location. I discovered my mistake before installing U3, so I only

had to remove one component.

As usual, Wayne, Bob, Jim, etal. have done a great job!

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "Gregory J. Buhyoff" <buhyoff@vt.edu>
Subject: [3202] Kent paddles ** SOLD**
Message-ID: <199608262058.QAA02783@sable.cc.vt.edu>

Thanks to the MANY who responded. Obviously the Kent's are pretty popular. They sold within minutes of posting the message.

73, Greg KN4FR
Gregory J. Buhyoff
Julian Cheatham Professor
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061

Phone: 540-231-5148
E-mail Buhyoff@vt.edu

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [3181] MFJ 90XX Fuse/Diode replacement, by Phil Karras, KE3FL
Message-ID: <Pine.SUN.3.94.960826100137.19988C-1000000@access4.digex.net>

To all: I request that if you use anything I write and place it in a magazine, you send me a complimentary copy of your publication. Thanks!

MFJ-90XX diode/fuse protection.

In the shipped version of this radio, the 1-amp diode is on the negative power line going through a 1-amp fuse. The positive power line goes through just the fuse to the positive supply line to the radio. Thus, if polarity is reversed it is applied to the radio and to the diode-fuse combination which blows the fuse (and in most cases the diode as well) thereby protecting the radio by opening up the reversed-polarity positive power line of the radio.

Two problems with the MFJ design is that both the fuse and the diode are rated for 1-amp and the fuse is a thin trace on the PC-board. This causes both items to blow, not just the trace-fuse, and it is very difficult to replace a trace fuse. While the expense of replacing a fuse and diode are not much, it would be easy if only the fuse would blow and if the fuse were a standard easy-to-get, fast-blow type fuse.

I replaced the trace fuse with a mini-glass 1-amp fast blow fuse and I placed a 3-amp diode in parallel with the existing 1-amp diode. Even if the 1-amp diode blows, the 3-amp version will not.

To do the same for your rig, remove the six screws holding the top of the rig on. (Two on the two sides and two on the top nearest the front of the rig.) [To make life easier for me, I included a socket/plug combination on the speaker-wires and on the connection for the antenna wire.]

First, cut the fuse trace on the PC-board. (Or blow it by simply reversing the polarity to the rig. You don't even have to turn it on for the fuse and diode to blow!)

Solder a black wire to the anode side and a red wire to the cathode side.

(anode---|>|----cathode - the BARed end of the diode)
Bring these wires to a small PC-board and attach them to at least a 3-amp diode. Connect the red-wire side of the diode to a fuse holder on the small PC-board and connect another red wire from the other end of the fuse holder back to the rig PC-board "PWR" trace.

The rig diode is in the upper left corner of the PC-board just under the antenna connector.

The PWR trace is from the cathode side of the fuse going to the right, about half way accross the board, and stops just short of the PWR connector (J3). It has a plated connector pad and free hole for your wire.

Don't forget a fuse in your holder- 1-amp MAX! (unless your MFJ says differently) Also, make sure the diode you use is rated at least three times the current rating of the fuse or else it will be damaged as well and need to be replaced at the same time. This means you'll have to carry along diodes as well as fuses and need to have solder and soldering iron and a way to power it, just what we're trying to get away from.

Last, I attached this small board to one of the screw-posts near the back of the radio. These are for the keyer and filter boards, neither of which I have. If you do have these additions, you'll need to figure out another method of securing the small diode/fuse PC-board.

NOTE: If you're not sure of the diode in your junk box, hook it up to a 1-amp fuse and attach power. If the fuse blows and the diode is OK (it might need to cool down a bit first), it should be acceptable for this type of application.

Good-luck, 72 & 73
de KE3FL/Phil

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [3175] My Web Pages - full!
Message-ID: <199608260937.KAA21235@mail.enterprise.net>

Sorry to announce that my web pages are practically full to the maximum of 2MB, which is all I am allowed. I have some more final bits to add yet (some more just gone on today), and have circuits of a DSB 80m rig to add. After that - it's a case of pruning out the unwanted bits to allow for new growth. Bit like rose bushes, but without the thorns! I Hope! Still some room for your homepage link if I haven't yet received it, though.

72/3

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: [3204] NC 40 for sale
Message-ID: <Pine.OSF.3.93.960826174148.14011A-100000@govonca2.gov.on.ca>

I have for sale my NorCal 40 qrp rig. The original. Accept no substitutes (well, you could, but this is fine too, hi).

Cost is \$100.00 Cdn, or \$75.00 U.S. (depends on the dollar fluctuation).
Shipping is your method, your cost. Mail should be about 5 dollars approx.

Brien Pepperdine
pepperb@gov.on.ca

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Mike Duke <gmduke@oscar.TECLink.Net>
Subject: [3213] PART 15 AM XMTR
Message-ID: <Pine.SOL.3.91.960826213049.27925B-100000@oscar.teclink.net>

If you have one of the part 15 AM BC xmtrs around that you no longer want, I'm interested. I prefer a solid state unit with either a line in, or a mic input that I can attenuate.

73,

Mike, WB5ADC, Jackson, MS

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Mike Robinson <miker@cc.com>
Subject: [3199] QRP adventure
Message-ID: <9608262016.AA18175@voder.nsc.com>

I just returned from a trip to Sunnyvale.
I took my Norcal 40p with me.

While visiting "Weired Stuff" (that's really the name of the store), I noticed a helium tank sitting behind the counter and asked if they sell helium balloons. They said they only use the balloons for promotional sales. I offered them \$1 for a helium filled balloon. "Weired Stuff" will sell the wax off the floor if they see money in it. Turned out the balloon was huge. 18" in diameter. I was a happy ham.

You see I'd been looking for a practical way to raise one end of my dipole from my hotel room. There was a palm tree with a very nice shape and height right outside my window but to launch a projectile might have damaged a car in the parking lot below.

To test the balloon, I tied the coiled wire to the string just to see if the balloon would carry the weight. It did. I uncoiled the wire and carefully laid it out in the room, then slowly let the balloon out the 'sliding glass door/fake balcony'. It continued to take the slack right up to the center insulator. The insulator is a piece of plexiglass about 1" by 4" with holes for screws and RG174 tie down. I anchored the insulator to the eve and stretched out the ground leg of the dipole through the room.

After fishing for a while I had contacts with Washington state, Yellowstone, WY and Laguna Beach, CA. After that my battery pack needed recharging.

The next night yielded fewer contacts but I did have a wonderful 45 minute chat with Dick W5VEC. DX to Sunnyvale!
(reminder: I was in Sunnyvale)

Just another QRP adventure.

```
=====
7.3 de Michael AA0UB      miker@cc.com      michael@frii.com
      http://www.frii.com/~michael
      QRP-L #126      Norcal #857      CQC #180
=====
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From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: clifton w sikes <csikes@brightok.net>
Subject: [3178] RE; For Sale
Message-ID: <199608261226.HAA03540@sooner.brightok.net>

Sorry folks, I forgot to include prices with my previous post. All prices include shipping. Vibrokeyer, 50.00. Auttek filter, 45.00 and Sprint 30m, 80.00. Thanks, Clif

Clifton W. Sikes
AB5UA

QRP ARCI # 9058
QRP-L # 478
ARRL

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996

From: "Lau, Zack, KH6CP" <zlau@arrl.org>
Subject: [3180] Robert J. Gobrick: "Re: Phillips IC help
Message-ID: <m0uv2CK-000fDTC@mgate.arrl.org>

Do you really need the full output of the chip to drive your headphones? If you can sacrifice 6 dB of power, how about just using one end of the output stage, referenced to ground? You will need a large DC decoupling capacitor.

The chip is supposedly short circuit proof, according to the data sheet.

[Http://www.semiconductors.philips.com/ps/](http://www.semiconductors.philips.com/ps/)

<http://www.semiconductors.philips.com/ps/philips52.html#1>

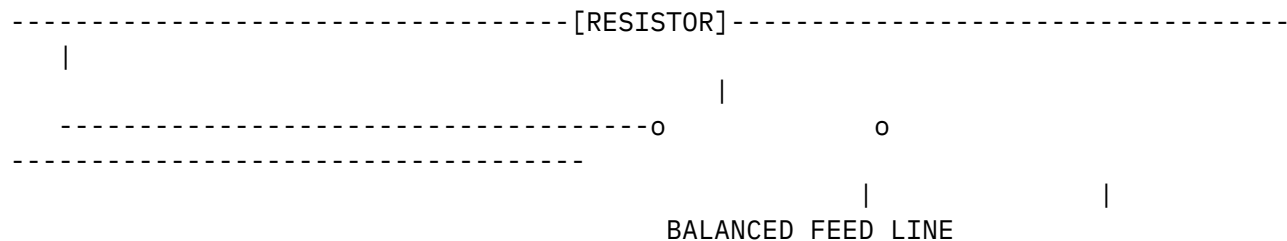
--Zack KH6CP/1 zlau@arrl.org

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: w0ch@juno.com (David A. Bixler)
Subject: [3205] T2FD Antenna
Message-ID: <19960826.142235.8239.1.W0CH@juno.com>

Hi Bill - K3AS:

You were asking about the T2FD (Terminated 2-wire Folded Dipole) antenna. I remember that my dad (W8KUI) had one back in the mid-50's. I seem to remember that it was written up in a CQ magazine back then although I can't provide the issue date or year.

It basically was a folded dipole with a large non-inductive resistor placed opposite the feed point like this:



My dad used open wire feeders and also open line for the folded dipole part. I believe he used 6 inch spacing for everything so it probably was around 600 ohms impedance. The non-inductive resistor was also 600 ohms

and was physically about 10 inches long and was obtained from Fair Radio in Lima, Ohio.

It was installed as a sloper and the antenna was sometimes called a Tilted 2-wire Folded Dipole. I remember that my dad had good results with it on 40 meters CW and it was responsible for many west coast QSO's from our Ohio QTH.

The idea behind the resistor was to absorb reflected power and to broaden up the frequency response curve. Now with 40-odd years of ham radio experience behind me, I not so sure that the T2FD is all that great of an antenna. I suspect that the resistor is responsible for some power loss. Maybe some others out there can comment on their experiences.

If you build one, be sure to use a non-inductive resistor so there will not be any inductive reactance. The resistor should be rated for around half the transmitter power output which won't be much of a problem for QRP'ers.

72

Dave

```
===== Amateur Wireless Station W0CH =====
OP: David Bixler           QTH: Seneca, Missouri           E-Mail:
W0CH@juno.com
G-QRP    NorCal    QRP-ARCI    MI-QRP    CQC    NW-QRP    QRP-L    QCWA
ARRL
=====
```

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: emaaro@pacbell.net
Subject: [3174] Terminated Folded Dipole
Message-ID: <32213819.1EFE@pacbell.net>

Bill:

The terminated folded dipole (T2FD) or W3HH antenna is essentially a dipole with halfwave length legs with a power absorbing resistor. The legs of each halfwave dipole are folded back at the quarter wavelength point and joined by the power absorbing resistor. The resistor (approximately the same impedance as the feed point) absorbs all the

power going into it. This allows very little power to be reflected back towards the feed point presenting a low SWR at the feed point. It seems to work best at the frequency it is cut for; odd harmonic use is not recommended.

Anyone have a different experience?

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: clifton w sikes <csikes@brightok.net>
Subject: [3207] Vibrokeyer sold
Message-ID: <199608262315.SAA23035@sooner.brightok.net>

Hi Folks, The Vibrokeyer is sold. Still have the 30m Sprint and Autek filter. Thanks for all of the inquiries.

73, Clif

Clifton W. Sikes
AB5UA

QRP ARCI # 9058
QRP-L # 478
ARRL

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: wk9t@juno.com (Rod Logsdon)
Subject: [3193] WalMart Battery
Message-ID: <19960826.124206.3838.0.wk9t@juno.com>

I've seen a number of post's lately about a rechargeable Gel Cell battery from Wal Mart. \I just went to the Wal Mart store by my office and checked with sporting goods, automotive, hardware and electronics departments. They all looked at melike I was crazy. Could someone tell me what department to look in?

Tnx,

Rod Logsdon WK9T Carol Stream(Chicago), IL
Grid: EN-61 QRP-L # 616 ARS # 153
E-mail: wk9t@juno.com

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: nwqrp@scn.org (SCN User)
Subject: [3187] Web Afield
Message-ID: <199608261704.KAA28216@scn.org>

Hi gang!

I've been busy learning and teaching Web stuff for my volunteer activities at the FreeNet <SCN> so I have not been on the air much. (Well, I have been listening while I hack).

Anyhoo, we will be backpacking along the Pacific Crest Trail during the QRP NE's QRP Afield Event, so I hope we can bring along a QRP rig. We have ordered the Emtech 20m rig. I will try to get it together in time. If there is a Forest Service Lookout Tower around, we will operate from that. We will be in the Cascade Mountains of Central Washington State.

I have now completed the upload of the updated NWQRP homepage. Please tell me how it looks/works with your browser as it is using new HTML 3.0 tags and Netscape extensions.

--Brian High, KV9X
WebEditor, NW QRP Club

```
--
      i                      NorthWest QRP Club
--=[scn]=--                  nwqrp@scn.org
      )|(                      / ^ \ ^ \ / ^ \
      / _ | _ \              http://www.scn.org/IP/nwqrp
                                     --NW QRP--
```

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3185] Web Page
Message-ID: <199608261552.IAA22047@dancris.com>

My web page is shaping up, and I have added logos for clubs and vendors if I have found them. If you have a logo and I have not found it, please send it to me, or tell me where to find it. If you know of a group or vendor (qrp) that should be on the page, please let me know. I can be found at <http://www.dancris.com/~ki7mn>. Thx.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: jim seeber <kw3u@warwick.net>
Subject: [3192] Re: 30 Meter DX

Message-ID: <321FA475.1AB2@warwick.net>

w0rw@kktv.com wrote:

>
> JH7JVJ was on 10.116 221200Z with his 4e1 beam !
> ZL2UW was on 10.105 230500Z he only had 3 takers, one of them was
> using a Sierra w/dipole !
> 72/DX de w0rw :>many tnx info I need a z1 anything, and just put
up new 10 megacycle dipole, and have caught a few
new ones. 72/73 Jim kw3u with all sorts of neat qrp
Stuff.

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Doug Hendricks <ki6ds@mail.telis.org>
Subject: Re: 40M DXCC #2 on NorCal40!

Eric Swartz wrote:

>
> Hi!
>
> I finally made #100 on my NorCal40 last night. Worked AH4/AH0W, Midway
> Isl, on 7.005 at 0615Z!!!! (I would have gotten past #99 earlier, but I
> haven't had much time to do late night DX'ing these past several months.
>
> Stan, N6ULU, is stalled at 130 Countries on his NC40 - Watch out Stan!
>
> I would have never believed that 4W on 40m could do so much before
> getting bit by the QRP bug several years ago. This little NC40 has
> worked all continents, (including ON4UN long path,) and many times with
> good sig reports - 579 from ON4UN...
>
> Do you guys know of anyone else crazy enough to try this? It might be fun
> to create a NorCal40 DXCC/QRP group to exchange war stories and to let
> those Big Gun DXCC types know that it can be done on QRP!
>
> 72, Eric WA6HHQEric, yeah, I know a guy who is crazy enough, he is N6ULU,
GRIN. Hey,
post to the net and see what kind of response you get. Might surprise
you. CONGRATULATIONS on being #2. I am very proud of you and your
accomplishment! 72, Doug, KI6DS

. -

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Jim Eshleman <lujce@hooch.cc.lehigh.edu>
Subject: [3182] Re: Archives search
Message-ID: <96Aug26.100845-0400edt.65735-14099+242@hooch.CC.Lehigh.EDU>

> Ok, what am I doing wrong? I've been trying to search the archives for info
> on Wayne's noise blanker but no luck. I've tried to search using the
> examples, used the help search, everything but I don't get a successful
> search. What am I doing wrong?

Mike,

The archives are subdivided by year...guess the welcome file needs
an update. I've appended the results of my search.

73
Jim N3VXI

Matches for pattern '^subject:&noise'...

--- Archive: 1996 (path: qrp-l/archives/1996)

>>> File 960105:
Subject: QRP RIGS and COMPUTER NOISE?
<<< End of matches in file 960105

>>> File 960106:
Subject: Re: QRP RIGS and COMPUTER NOISE?
<<< End of matches in file 960106

>>> File 960124:
Subject: R2 Noise figure reduction
Subject: Noise canceller circuit?
Subject: Re: Noise canceller circuit?
<<< End of matches in file 960124

>>> File 960209:
Subject: FOX(NOISE)FOX(NOISE)....
<<< End of matches in file 960209

>>> File 960215:
Subject: AGC Noise and MC1350
Subject: Re: AGC Noise and MC1350
Subject: Re: AGC Noise and MC1350
<<< End of matches in file 960215

>>> File 960226:
Subject: Re: noise cansellation in antennas
<<< End of matches in file 960226

>>> File 960227:
Subject: Re:Noise Cancellers
<<< End of matches in file 960227

>>> File 960228:
Subject: More about noise cancellation
<<< End of matches in file 960228

>>> File 960229:
Subject: Re: Noise Cancellation
<<< End of matches in file 960229

>>> File 960302:
Subject: Re: Noise cancellation
<<< End of matches in file 960302

>>> File 960303:
Subject: Re: Noise cancellation
<<< End of matches in file 960303

>>> File 960304:
Subject: Re: Noise cancellation
<<< End of matches in file 960304

>>> File 960328:
Subject: Ford Explorer RF Noise
Subject: Re: Ford Explorer RF Noise
Subject: Re: Ford Explorer RF Noise
<<< End of matches in file 960328

>>> File 960330:
Subject: Noise Reduction
Subject: Re: Noise Reduction
<<< End of matches in file 960330

>>> File 960401:
Subject: Re: [6282] Ford Explorer RF Noise
Subject: Line Noise
<<< End of matches in file 960401

>>> File 960402:
Subject: Line Noise
Subject: Re: Line Noise

Subject: Re: Line Noise
<<< End of matches in file 960402

>>> File 960403:
Subject: Re: Line Noise
Subject: Re: Line Noise
<<< End of matches in file 960403

>>> File 960404:
Subject: fuel pump noise on Ford Explorers
<<< End of matches in file 960404

>>> File 960412:
Subject: line noise
Subject: Line Noise - No More!
Subject: Re: Line Noise - No More!
Subject: Re: Line Noise - No More!
Subject: More Line Noise....
Subject: Re: More Line Noise....
<<< End of matches in file 960412

>>> File 960417:
Subject: Update: Line Noise
<<< End of matches in file 960417

>>> File 960419:
Subject: Follow-up: Line Noise
<<< End of matches in file 960419

>>> File 960423:
Subject: Wideband Noise Generators FS
Subject: re: Wideband Noise Generators FS
<<< End of matches in file 960423

>>> File 960512:
Subject: Noise Bridge Project
<<< End of matches in file 960512

>>> File 960524:
Subject: W1FB Noise Reduction Unit
Subject: Re: W1FB Noise Reduction Unit
<<< End of matches in file 960524

>>> File 960712:
Subject: Trade Noise Bridge
<<< End of matches in file 960712

>>> File 960715:

Subject: Knightlite noise and the Next Step
<<< End of matches in file 960715

>>> File 960718:
Subject: Ten-Tec 1208 xverter noise figure
<<< End of matches in file 960718

>>> File 960720:
Subject: New micro-size noise blanker design ready; need volunteers
<<< End of matches in file 960720

>>> File 960728:
Subject: Noise-cancelling headphones
<<< End of matches in file 960728

>>> File 960805:
Subject: Noise Cancelling Headphones
<<< End of matches in file 960805

>>> File 960821:
Subject: New Wilderness products (including noise blanker), spare parts, and Fall catalog
<<< End of matches in file 960821

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Bill Acito 26-Aug-1996 1417 <acito@asdg.ENABLE.dec.com>
Subject: [3195] Re: Diodes as a voltage drop
Message-ID: <9608261826.AA21717@us1rmc.bb.dec.com>

Thanks to all for the responses so far...

One person asked why I didn't use a 7805. A bit more detail...

The modem actually requires 9V _AC_. The bridge circuit, filter, and a 7805 are already on the PC board of the modem. Tapping the 5v line won't do me any good because of the head space required of the 7805 (a volt or two?) in the modem, so I used the 12V DC line, drop the voltage down a couple volts by the diodes, and feed it into the socket. It now only goes through two of the diodes in the bridge (hmmm... I bet those get hot at 100% duty cycle), the filter cap, and then to the 7805 on board the modem. I wanted the diodes to take the brunt of the dissipation, not the 7805 on the modem board.

Am I risking the diodes on the board by running them at 100% duty?

b

. dtn:225-6611 b:789,f1
fab 6 drg hlo2-3/n8

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "Michael Gipe" <MichaelGipe@msn.com>
Subject: [3200] RE:Diodes as a voltage drop
Message-ID: <UPMAIL06.199608262026510317@msn.com>

Bill --

This sounds about right.

You gotta figure the power dissipation.

I don't know which specific diode you are using, but, just taking a typical diode, (the MBR735, 7.5 amp in T0220 case), from the spec sheet, the thermal resistance from case to ambient is 57 degrees C per watt.

For your application, $0.7 \text{ w} \times 57 = 40$ degrees C rise on the case with no heat sink. In fahrenheit, this is 72 degrees rise, or about 145 degrees at typical room temp ambient. This is hot to the touch, but not quite burning.

Perhaps this is more appropriate to QRP than you think. If you can communicate around the world with one watt, you can probably warm things up locally with 0.7 watts.

Incidentally, your diodes will probably run just fine like they are, but if you want to cool it down, use a heat sink.

Mike K1MG (formerly AG1H)

You said:

<<

Technical question for the group, not truly QRP in this case, but the principle might be used if you are trying to run TTL stuff (e.g. Keyer) with a battery (12V) by inserting diodes.

I rigged up a tap into the 12V side of my PC's power supply to drive my external modem, so when I power up the PC, the modem comes on. The modem requires about 7V DC, @ 0.5 to 1A. In the line I included eight 6A (i.e. big) diodes to use the turn-on voltage as a drop.

$$12 - (8 \times 0.7) = 6.4V$$

$$P = I E \quad (.7v \times 1A) = 0.7W$$

It runs fine, has for a while, but under normal operation these diodes get very warm; enough to cause discomfort, but not burn. Why? I've given plenty of headspace in the current rating; what did I miss?

Bill Acito

>>

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "Mark A. Andrews" <KE4IOF@HiWAAY.net>
Subject: [3201] Re: G5RV revisited
Message-ID: <9608262057.AA09676@fly.HiWAAY.net>

I've been using a G5RV in an inverted V for about 6 months now. I'm generally pleased. However, it might be a little cumbersome to use as a portable... Even though it supposedly resonates from DC to infinity, I would carry my tuner. :-)

Just my two cents

Mark A. Andrews, KE4IOF
Symetric, Incorporated
"Anything Digital..."

> From: Bill Acito 26-Aug-1996 1559 <acito@asdg.UNET.dec.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: G5RV revisited
> Date: Monday, August 26, 1996 3:10 PM

>

>

> I've inherited a 'like new' (as in 'never installed') G5RV.
> Thought it might make a good all-band portable antenna to sling
> up into the trees... QRP Afield is approaching.

>

>

> Having never owned one or used one of these before, I'd like to
> hear your pro's and cons. I've got all the ARRL antenna books,
> and will do all the formal research and theory, but I'd like to
get
> the practical wisdom...
>
> "works like a wet noodle on 30..."
>
> "very narrow bandwidth on 75"
>
> "put it up as high as possible"
>
> "works better in an inverted-V"
>
> ...that kind of stuff (I made those all up). I seem to remember
> some discussion on the G5RV a while back, maybe even some
> controversy and disagreement, but since I didn't own one, I
> didn't listen that closely.
>
> Anything I should know that won't be in my books?
>
> b
>
>
> - I own my own words -
> Bill Acito
> acito@asdg.enet.dec.com
> |d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA
>
> KC1GS qrp-ne qrp-l adv-rs arc1 norcal amsat-na arrl-life
>

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "M. E. Monninger" <markem@primenet.com>
Subject: [3211] Re: G5RV revisited
Message-ID: <1.5.4.32.19960826190731.002e75ac@mailhost.primenet.com>

At 03:56 PM 8/26/96 -0500, KE4IOF wrote:

>
> ... Even though it supposedly resonates from DC to infinity, I
> would carry my tuner.

No, no, no. The G5RV is not resonant on any of the ham bands. The ladder line/twinlead section is intended to be a matching transformer (1/4 wave) for 20M. If you're lucky you'll get a decent match on 20M and a (often less than) decent match on other bands. OTOH if you use enough lossy coax

(minimum of 70 ft) it might match OK on several bands, but then so does a dummy load. If you use a tuner it'll work OK on most bands but you'll probably be better off by ditching the coax section and bringing ladder line all the way to the tuner. And use a balanced tuner for best results.

As always with all antennas, local conditions (height, surrounding objects, ground conductivity, etc.) have a large effect on performance.

Your G5RV will probably work OK, esp if you use a tuner. However, they are not the end-all-and-be-all that many people think. For an interesting discussion, see Maxwell's book "Reflections". He has an entire chapter on the G5RV.

Having said all that, remember that any antenna is better than none. The best advice I've heard is to put up as much wire as you can, as high as you can, and feed it with a good tuner.

OTOH...a 90 ft tower with a set of 7 element monobanders would probably do pretty well, too....

73... Mark AA7TA

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [3214] Re: G5RV revisited
Message-ID: <199608270251.TAA28207@primenet.com>

I have to second Mark, AA7TA's comments. While we generally use the G5RV for field situations like Field Day, QTTF, etc., it's a compromise. You must use a tuner with this antenna if you want any sort of success. Some will and some won't work on 30M....mine, fed with coax will while Dave AA7TQ can't get his to load up on 30 with ladder line.

I have recently found that 132' of random wire works as well as the G5RV and is a heck of a lot easier to put up in the trees.

72/73, de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996

From: "Mark A. Andrews" <KE4IOF@hiwaay.net>
Subject: [3217] Re: G5RV revisited
Message-ID: <9608270340.AA27518@fly.HiWAAY.net>

Geez, don't you guys know that this ---> :-)) is a smiley face and is often a sign of facetiousness? (maybe I should have used ;-)) I know that a G5RV isn't resonant "anywhere" (no diatribes please), hence the sarcastic remark of "DC to Infinity". Lighten up!

Mark A. Andrews, KE4IOF
Symetric, Incorporated
"Anything Digital..."

> From: M. E. Monninger <markem@primenet.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: G5RV revisited
> Date: Monday, August 26, 1996 9:07 PM
>
> At 03:56 PM 8/26/96 -0500, KE4IOF wrote:
> >
> > ... Even though it supposedly resonates from DC to infinity, I
> > would carry my tuner.
>
> No, no, no. The G5RV is not resonant on any of the ham bands. The ladder
> line/twinlead section is intended to be a matching transformer (1/4 wave)
> for 20M. If you're lucky you'll get a decent match on 20M and a (often
> less
> than) decent match on other bands. OTOH if you use enough lossy coax
> (minimum of 70 ft) it might match OK on several bands, but then so does a
> dummy load. If you use a tuner it'll work OK on most bands but you'll
> probably be better off by ditching the coax section and bringing ladder
> line
> all the way to the tuner. And use a balanced tuner for best results.
>
> As always with all antennas, local conditions (height, surrounding
> objects,
> ground conductivity, etc.) have a large effect on performance.
>
> Your G5RV will probably work OK, esp if you use a tuner. However, they are
> not the end-all-and-be-all that many people think. For an interesting
> discussion, see Maxwell's book "Reflections". He has an entire chapter on
> the G5RV.
>
> Having said all that, remember that any antenna is better than none. The
> best advice I've heard is to put up as much wire as you can, as high as

you
> can, and feed it with a good tuner.
>
> OTOH...a 90 ft tower with a set of 7 element monobanders would probably
do
> pretty well, too....
>
> 73... Mark AA7TA
>
>
>

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [3215] RE: Hallicrafters Crystals???
Message-ID: <19960826.200527.7895.1.wb2vuo@juno.com>

>Hi Club Friends,

>I have an acquaintance who I chat with on 40m CW who is working on a
>couple of Hallicrafters and is looking for those huge crystals. The
>only crystal place I know of is Jans in Florida. He knows of them and
>said they're expensive. I told him about our qrp-l group here and if
>anyone knows where to get these FT-234 (or something like that) crystals
>you all would.

>Sorry to the rest of the group for this non-qrp message.

>72
>Nick

>Nick Franco - <http://www.rhichome.bnl.gov/People/franco/>
>Brookhaven National Laboratory - RHIC Project
>tel: (516) 344-5467 <>< Ham Call: KF2PH
>fax: (516) 344-3674 QRP-NE # 349 QRP-L # 13

Nick, I wouldn't call this non-QRP message, as an FT-243 Xtal can be
used in a QRP project quite handily.

The company you are looking for is: CW Crystal
Marshfield. MO 65706

Their catalog and circuits package is \$1.00 (or 4 stamps). They are in the Ham Ads in QST every month, with a price list in the ads about every 6 months. The most current list I have sez \$3.95 each single lot, 40 - 10 Meters (7 MHz fundamental frequencies) with discounts on quantity. The price on 160, 80 and 30 meter is higher.

CW Crystal used to start each ad with "Build something", not the present format, but a good bit of advice...

[Insert standard disclaimer.....]

72/73, Keith, WB2VUO, QRP-L #582
Trustee, KB2YTW/B 10 Meter Beacon (28.2860 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3210] Re: Homebrew paddles...
Message-ID: <Pine.SUN.3.90.960826175529.13415C-1000000@vortex.sage.dri.edu>

Hi John,

I too used back to back J-37s. (Wish I still had them!)

But then I got real smart.....I took one of the Vibroplex bugs and removed the contact strip on the bottom so that I had a common, dash and dot connection.

Stuffed cotton in the damper area to keep it from making dots. It would just make contact for as long as you held the paddle to one side or the other.

Connected to the homebrew keyer and vola!

There was an article in QST years ago about how to cut a bug off and make a single lever paddle out of it!

The keyer I made was featured on the cover of QST when it was still a small magazine, about 1960 or so. That was my first solid state project.

Used the picture on the cover to make a circuit board. It worked the first time I tried it. Still had it a couple of years ago.....will have to keep my eyes open for it!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3193] Re: KC2 Construction
Message-ID: <199608261759.KAA24070@dancris.com>

At 01:40 PM 8/26/96 -0400, you wrote:

>I would caution everyone to observe the mounting locations for Q3 and U3
>carefully on the CPU board. The lettering for those two parts were obscured
>by the mounting holes on my board. Murphy was working overtime! I mounted Q3
>in the U3 location. I discovered my mistake before installing U3, so I only
>had to remove one component.

>

Did the same thing on the KC-1, only with U2 and Q-2. Another vote for the magnifier!

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [3208] Re: QRP adventure
Message-ID: <199608270002.UAA49213@nss2.CC.Lehigh.EDU>

Turned out the balloon

>was huge. 18" in diameter. I was a happy ham.

>

>You see I'd been looking for a practical way
>to raise one end of my dipole from my hotel room.

>

>Just another QRP adventure.

>
>=====

>7.3 de Michael	AA0UB	miker@cc.com	michael@frii.com
>	http://www.frii.com/~michael		
>	QRP-L #126	Norcal #857	CQC #180

>=====

Hello Michael, and Gang,

Is there any good source for larger balloons? Say 3 to 5 feet in diameter?

I'd love to try some balloon antennas, just the ticket when there is no wind for a kite antenna.

de AA1IK N.E.-QRP-C. # 202 (Lead by example, It is better to)
 QRP-L member #95. (pull a string than it is to push it.)

Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: JCoote@aol.com
Subject: [3209] Re: Terminated folded dipole
Message-ID: <960826202721_269370953@emout07.mail.aol.com>

In a message dated 96-08-25 12:15:53 EDT, k3as@dol.net (Bill Marsh) writes:

<< Can someone please describe a terminated folded dipole (T2FD) or W3HH antenna for me? Thanks. Bill K3AS >>

Bill & QRP-L;

The commercial designs I am aware of are made by Barker & Williamson and

Hy-Gain. They sacrifice efficiency for a broadband response covering (normally) 1.8-30 Mhz. Some other models may be speced at 3-30 Mhz or 5-22 Mhz.

The center (feed) of the dipole is equipped with a step-up balun, I believe 50 ohms coax to 500 or 700 ohms. The termination is in the center of the antenna, opposite the feed. The termination resistance is close to the impedance of the balun.

Most of these dipoles have spreaders of a few feet to a yard.

The downside is efficiency. The Hy-Gain models for military, ham, commercial advertise an efficiency of about 15% from 2-4 Mhz and I think it was 40% above 4 Mhz. This is for the Hy-Gain model with the 190 foot length. The B&W folded dipole is only 90 feet, so it's efficiency (not listed) may be less than the longer antenna.

An offshoot of these designs is the B&W AC 1.8-30. It uses a delta shape rather than a folded dipole, but the principles are the same- stepup balun and termination which let the transmitter "see" a relatively flat transmission line over a wide band.

SWR in most of these commercial designs is 2:1 or better. Most military transceivers and a few ham ones will work with 2:1. Poorer ham designs may require a tuner just to get the SWR down so the radio will produce full power. My IC-735 worked well enough without tuners and SWR meter clutter (B&W AC 1.8-30 antenna).

TFD's and their cousins are good designs for NVIS, general coverage, and fixed applications when coax must be used (not possible to get balanced line to the antenna). TFDs are mechanically complicated, but coax lovers would rather do it this way than put up a simpler design such as a G5RV or Zepp, fed with a tuner. Mil HF radios often use 100 or 400 watts, so the lower efficiency does not matter when the stations in the net all use high power.

For 6 years, I have used a Barker & Williamson AC 1.8-30 in my City EOC.

This antenna, like TFDs, has NVIS (high-angle) properties in the lower ham bands which is important for emergency work. It was great because I did not have to worry about my volunteers fumbling with a tuner and frying something.

The antenna did cover non-ham frequencies during the LA riots when we tested and netted with a Guard unit.

For rapid deployment and field use for QRP all-band, I would suggest a center-fed G5RV or Zepp, 300 ohm TV line and a small balanced tuner.

73, Jay
WB6AAM

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3183] Re: Thumb + Dit Vs Thumb = Dah
Message-ID: <199608261410.HAA20467@dancris.com>

At 09:25 AM 8/22/96 -0400, you wrote:

>>

>Just out of curiosity, maybe we should do a survey to see how others do it.
>Maybe it'll give me so ammo to use on some of the bozo's in the club! (Bob,
>the "reverse keying guy" - indeed!)

>

>

Must be connected to the name, as mine are the same way, and will stay that way, as I like it that way! So there!

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: bfollett@ditell.com
Subject: [3185] Re: Thumb + Dit Vs Thumb = Dah
Message-ID: <199608261500.JAA19677@orion.ditell.com>

Bob & the Gang:

Bob wrote: <<

Must be connected to the name, as mine are the same way, and will stay that way, as I like it that way! So there!>>

Interesting point, probably not covered by the Chuckmeister's forthcoming survey.

As one of the "Bob" group here, I also thumb the dahs. We need another survey! Too bad Nils is getting some "real work" done, as he could provide a good analysis of this seemingly high correlation.

73, Bob

Bob Follett WA7FCU, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett.ditell.com

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: jgann@mindspring.com (Alvin G. Gann)
Subject: [3203] Re: Thumb + Dit Vs Thumb = Dah
Message-ID: <199608262111.RAA01526@borg.mindspring.com>

Bobs et. al.:

.....

>As one of the "Bob" group here, I also thumb the dahs. We need another
>survey! Too bad Nils is getting some "real work" done, as he could
>provide a good analysis of this seemingly high correlation.

.....

Could it be related to the fact that Bob is a palindrome? 72 --Jerry W1UI

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: "Chris J. Cartwright - ELF" <dsc3cjc@imc220.med.navy.mil>
Subject: [3189] Re: Thumb + Dit Vs Thumb = Dah <humor>
Message-ID: <Pine.3.89.9608261003.A1345-0100000@imc220>

On Sat, 24 Aug 1996 DYARNES@aol.com wrote:

> O.K.---All you lefties like me out there---stand up and be counted!
>
> Some (most?) (all??) of us have been sending with thumb = dah since we first
> ventured away from straight keys. In my case, it was the transition through
<snip>
> Don't take any flak Bob! We must stand up and defend our honor! Thumb =
> dahs unite!
>

Help!!! I'm abidexterous, what should I do? I don't know which _side_ (pun
intended) to join. =)

Actually I am "two-handed", but due to parochial schooling, write right
handed. So it made sense that if I used my left hand I could still write
with my right hand. Having just got a paddle/keyer this weekend I got to
try the theory out, so now I have reams (hi hi)of empirical evidence to
support the thumb=dah camp.

Thumb = Dah is right 'cause it feels better! :P

-- Christopher Cartwright, Tech. Engineer		...our chief weapons are fear,
-- Voice 301.295.0809	N3XRV	fear and surprise, and nice

-- Mail dsc3cjc@imc220.med.navy.mil | red uniforms, oh damn!!
-- ccart@erols.com | -- Monty Python

From owner-qrp-1@Lehigh.EDU Mon Aug 26 23:12:53 1996
From: john andrews <jm165723@eee.org>
Subject: [3196] Re: WalMart Battery
Message-ID: <3221EEE5.31D4@eee.org>

Rod Logsdon wrote:

>
> I've seen a number of post's lately about a rechargeable Gel Cell battery
> from Wal Mart. \I just went to the Wal Mart store by my office and
> checked with sporting goods, automotive, hardware and electronics
> departments. They all looked at melike I was crazy. Could someone tell
> me what department to look in?
>
> Tnx,
> -----
> Rod Logsdon WK9T Carol Stream(Chicago), IL
> Grid: EN-61 QRP-L # 616 ARS # 153
> E-mail: wk9t@juno.com

Hi Rod:

Just got another message about the same problem.

Try the automotive section. Also the Bar Code # is 7 98263 72001 7

My receipt item # shows - 079826372001

Hope this helps.

72, John, N5INZ/6